

INTERNATIONAL SEARCH REPORT

IB2004/052039

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H03H17/02 H03H17/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H03H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 975 091 A (SHARP KK) 26 January 2000 (2000-01-26) figure 1	1-3, 6, 8
X	US 5 400 271 A (HIMENO TAKUJI) 21 March 1995 (1995-03-21) figure 9	1-3, 8

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

19 January 2005

Date of mailing of the international search report

27/01/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Radomirescu, B-M

INTERNATIONAL SEARCH REPORT

IB2004/052039

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0975091	A	26-01-2000	JP 3181879 B2	03-07-2001
			JP 2000040942 A	08-02-2000
			EP 0975091 A2	26-01-2000
			US 6668013 B1	23-12-2003
<hr/>				
US 5400271	A	21-03-1995	JP 3318753 B2	26-08-2002
			JP 5158656 A	25-06-1993
<hr/>				